

PATENT ABSTRACTS OF JAPAN

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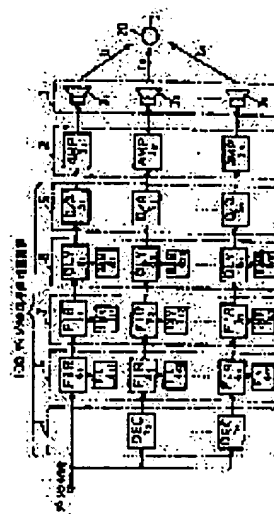
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(54) MULTI-AMPLIFIER SYSTEM SPEAKER SYSTEM

(57)Abstract:

PURPOSE: To obtain the multi-amplifier system speaker system realizing high fidelity acoustic reproduction by realizing a flat sound pressure characteristic of a radiation sound from each speaker and a linear phase, eliminating a phase difference and a delay time difference from each radiation so as to make the overall sound pressure characteristic flat.

CONSTITUTION: Each channel is provided with a decimation circuit 1 to decrease a sampling frequency of a digital input signal, a frequency band split circuit 4, a characteristic correction use inverse filter to realize a flat sound pressure characteristic and linear phase characteristic of a speaker unit 3, a delay time correction circuit 8, a D/A converter circuit 5 converting a digital signal into an analog signal, and a voice signal processing circuit connecting a power amplifier 2 and the speaker unit 3 in cascade and each channel is configured in parallel. In the case of an analog voice input signal, an A/D converter and an overall sound pressure characteristic correction circuit are provided to a pre-stage of the decimation circuit.



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